

- CMP11 circuit shorted to other CMP circuits (2 or more CMP sensor systems)
- Damaged camshaft position bank 1 sensor 1 (CMP11) shielding
- CMP11 sensor incorrectly installed
- Damaged CMP11 sensor

Diagnostic Aids: Harness routing, harness alterations, incorrect shielding, or electrical interference from other systems may have an intermittent impact on the CMP signal.

Application	Key On Engine Off	Key On Engine Running	Continuous Memory
All	GO to Pinpoint Test DR .		

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P0341 - CAMSHAFT POSITION SENSOR A CIRCUIT RANGE/PERFORMANCE (BANK 1 OR SINGLE SENSOR) - DTC CHART

P0341 - CAMSHAFT POSITION SENSOR A CIRCUIT RANGE/PERFORMANCE (BANK 1 OR SINGLE SENSOR) - DTC CHART

Description: This DTC sets when the CMP11 circuit has a noisy signal. For additional camshaft position (CMP) sensor location information, refer to ENGINE CONTROL COMPONENTS .

Possible Causes:

- Radio frequency interference or electromagnetic interference
- Damaged camshaft phaser and sprocket
- Damaged camshaft position bank 1 sensor 1 (CMP11) shielding

Diagnostic Aids: Harness routing, harness alterations, incorrect shielding, or electrical interference from other systems may have an intermittent impact on the CMP signal.

Application	Key On Engine Off	Key On Engine Running	Continuous Memory
All	GO to Pinpoint Test DR .		

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P0344 - CAMSHAFT POSITION SENSOR A CIRCUIT INTERMITTENT (BANK 1 OR SINGLE SENSOR) - DTC CHART

P0344 - CAMSHAFT POSITION SENSOR A CIRCUIT INTERMITTENT (BANK 1 OR SINGLE SENSOR) - DTC CHART

Description: This DTC sets when the CMP11 circuit signal is intermittent. For additional camshaft